PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known						
Application Number	09/916,232					
Filing Date	July 25, 2001					
First Named Inventor	BROWN ELLIOTT, Candi					
Art Unit	2674					
Examiner Name	LESPERANCE, Jean E.					
Attorney Docket Number	CLRV -001CIA					

Sheet	Sheet 1 of 3			Attorney Docket Number	CLRV -001CIA	
			II S DATENT	DOCUMENTS		<u>-</u>
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (F traver)}	Publication Date MM-DD-YYYY	Name of Patentee of Applicant of Cited Document	nent Relevant Pas	nns, Lines, Where sages or Relevant es Appear
Juli		^{US-} 4,593,978	06-10-1986	Mourey et al.		
		^{US-} 5,184,114	02-00-1993	Brown, Brent W		-
		^{US-} 5,233,385	08-03-1993	Sampsell		
		^{US-} 5,436,747	07-25-1995	Suzuki		
		^{US-} 5,646,702	07-00-1997	Akinwande et al		
		^{US-} 5,648,793	07-15-1997	Chen		
		US- 5,729,244	03-00-1998	Lockwood, Henry, F		·
		^{US-} 5,815,101	09-29-1998	Fonte	-	
		^{US-} 6,005,692	12-00-1999	Stahl, Thomas D	RE(CFIVED
1.		^{US-} 6,064,363	05-16-2000	Kwon		1.0
		^{US-} 6,147,664	11-00-2000	Hansen, Ronald	SE	P 1 6 2004
		^{US-} 6,151,001	11-00-2000	Anderson et al	Ta about	0
		^{US-} 6,160,535	12-02-2000	Park	reclinoid	gy Center 260
		^{US-} 6,225,967 B1	05- 01-2001	Hebiguchi		
		US- 6,262,710	07-00-2001	Smith, Ronald D		
		^{US} - 6,628,068	09-00-2003	Rorison et al		
		^{US-} 6,360,023 B1	03-19-2002	Betrisey et al.		-
		^{US-} 6,393,145 B2	05-21-2002	Betrisey et al.	-	
丁亿,		^{US-} 6,441,867 B1	08-27-2002	Daly		•

FOREIGN PATENT DOCUMENTS Examiner Cite Foreign Patent Document Publication Name of Patentee or Pages, Columns, Lines,								
Cite No.	Foreign Patent Document	Publication Date	. Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	١.			
	Country Code ³ Number ⁴ Kind Code ³ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	ד			
	DE 197 46 329 A1	03-18-1999	Phan, Gia Chuon					
	DE 199 23 527 A1	11-23-2000	Bohlendorf, A					
	DE 299 09 537 U1	10-14-1999	Phan, Gia Chuon					
	EP 0 899 604 A2	03-03-1999	Mori, Hideo					
	EP 1 381 020 A2-	01-14-2004	Barco, N. V.					
	Cite No.	Cite No.1 Country Code3 Number 4 Kind Code3 (# known) DE 197 46 329 A1 DE 199 23 527 A1 DE 299 09 537 U1 EP 0 899 604 A2	Cite No. ¹ Foreign Patent Document Publication Date MM-DD-YYYY Country Code ³ Number ⁴ Kind Code ³ (# known) 03-18-1999 DE 199 23 527 A1 11-23-2000 DE 299 09 537 U1 10-14-1999 EP 0 899 604 A2 03-03-1999	Foreign Patent Document Publication Date MM-DD-YYYY	Cite No. ¹ Foreign Patent Document Publication Date MM-DD-YYYY Name of Patentee or Applicant of Cited Document Pages, Columns, Lines, Where Relevant Passages Or Relevant Passages Or Relevant Figures Appear DE 197 46 329 A1 03-18-1999 Phan, Gia Chuon DE 199 23 527 A1 11-23-2000 Bohlendorf, A DE 299 09 537 U1 10-14-1999 Phan, Gia Chuon EP 0 899 604 A2 03-03-1999 Mori, Hideo			

Examiner Signature	_lean o	Les	Date Considered	11-2-04

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First Named Inventor	BROWN ELLIOTT, Candi					
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Examiner Name	LESPERANCE, Jean E.					
Attorney Docket Number	CLVR-001CIA	7				

Examiner Cite No.		Document Number Number-Kind Code ^{2 (Fincom)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Jih'		^{US-} 6,600,495	07-29-2003	Boland et al	
		^{US-} 6,661,429 B1	12-09-2003	Phan	
		^{US-} 6,738,526	05-18-2004	Betrisey et al.	
		^{US-} 2003/0071943 A1	04-17-2003	Choo, Kyo S	•
		^{US-} 2003/0071826 A1	04-17-2003	Goertzen, Kenbe D	
		^{US-} 2002/0122160 A1	09-05-2002	Kunzman, Adam J .	
		^{US-} 2002/0012071 A1	01-31-2002	Sun, Xiuhong	RECFIVE
₩.		^{US-} 2003/0218618 A1	11-27-2003	Phan, Gia Choung	THEOLIVE
		US-			SED 1 6 2004
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Examiner Initials*	Cite No.1	Foreign Patent Document	IGN PATENT DOCU Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁸ (# known)	MM-DD-YYYY	•	Or Relevant Figures Appear	۲
エル	[JP 03-78390	04-03-1991	Ishitani, Hiroo		
		JP 03-78390	04-03-1991	Ishitani, Hiroo		
<u> </u>		WO 00/65432	11-02-2000	Barco et al		L
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Date 11-2-04 Considered

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE rork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known THE THE PARTY OF T or form 1449/PTO **Application Number** 09/916,232 Filing Date INFORMATION DISCLOSURE July 25, 2001 STATEMENT BY APPLICANT First Named Inventor **BROWN ELLIOTT, Candi** Art Unit 2674 (Use as many sheets as necessary) **Examiner Name** LESPERANCE, Jean E. Sheet 3 Attorney Docket Number 3 **CLRV-001CIA**

		•	NON PATENT LITERATURE DOCUMENTS					
Examiner Cite No.1			Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
J.L.		•	C. Elliott, "Reducing Pixel Count Without Reducing Image Quality", Information Display, Vol. 15, pp. 22-25, 12-1999					
			C. Elliott, " Active Matrix Display Layout Optimization For Sub-Pixel Image Rendering", IDMC 2000, pp. 185-189, 08-2000					
			Krantz, John et al., Color Matrix Display Image Quality: The Effects of Luminance and Spatial Sampling", SID 90 Digest, pp 29-32					
			Lee, Baek-woon et al., "40.5L: Late-News Paper: TFT-LCD with RGBW Color System," SID 03 Digest, 2003, pp. 1212-1215					
		۴,	Messing, Dean et al., Improved Display Resolution of Subsampled Colour Images Using Subpixel Addressing, IEEE ICIP 2002					
			Messing, Dean et al., Subpixel Rendering on Non-Striped Colour Mtrix Displays, 2003 International Conf on Image Processing, 9-2003, Barcelona Spain					
V	/		H. Okamura, "A New Flicker-Reduction Drive Method for High-Resolution LCTV's", SID 01 Digest, pp. 551-554, 2001 (no month)					
		<u>.</u>						
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Examiner		Date	
Signature	Chapterson	Considered	11-2-04

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Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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	Patent and Trader			CLRV-0	IICIA	09/916,3	232	
	Information Disclosure	Statement by	Applicant	Applicant	: Candice	Hellen Brown E	lion	
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			U.S. Patent Docume	_1				_
Init.	Document No.	Date	Name		Class	Subclass	Lea	
J.L.	4.886.343	12/12/89	Johnson		350	335		ig Dai
	4.920.409	4/24/90	Yamagishi		358	56	6/20	
\perp	5.113,274	5/12/92	Takahashi et al.		359	66	6/20	
	5.315.418	5/24/94	Sprague et al.		359	41	6/8/	
	5.334.996	8/2/94	Tanigaki et al.		345	152	6/17	
	5.341.153	8/23/94	Benzschawel et al.		345	152		3/90
4-4	5.648.793	7/15/97	Chen		345	96	6/13	
4_4	6.008,868	12/28/99	Silverbrook		348	790	1/8/9	
	6.064,363	5/16/00	Kwon		345	98	3/13	
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J:6.	1	3.971,065	07/20/1976	Bayer	Class	Subclass	Fili	ng Dat
	2	4,786,964	11/22/1988	Plummer et al.	358	41	03/0)5/197
 -	3	4.886,343	12/12/1989	Johnson	358	44	02/0	2/198
 _	14	4,920.409	04/24/1990	Yamagishi	350	335	06/2	0/198
	5	4,967.264	10/30/1990	Parulski	358	56	06/2	0/198
	6	5.113,274	05/12/1992	Takahashi et al.	358	44	05/3	0/1989
	7	5.315,418	05/24/1994	Sprague	359	333	06/0	8/1989
	8	5.334.996	08/02/1994	Tanigaki et al.	359	40	06/1	7/1992
	9	5,341,153	08/23/1994	Benzschawel	345	152	10/2	3/1990
	10	5.398.066	03/14/1995		345	152	06/1.	3/1988
_1	11	5.541.653	07/30/1996	Martinez-Uriegas et		393	07/2	7/1993
	12	5.561,460	10/01/1996	Peters et al.	348	264	03/10	7/1995
	13	5,754.226	05/191998	Katoh et al.	348	219	06/02	V1994
17	14	6.008,868	12/28/1999	Yamada et al	348	219	12/19	/1995
V	15	6.188,385	02/13/2001	Silverbrook	348	790	03/13	/1995
			0213/2001	Hill et al	345	136	10/07	/1998
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Atty. Docket No.	8831.0001-01	Appin. No.	09/916.232
Applicant	CANDICE HELLEN BROWN ELLIOTT		
Filing Date	July 25, 2001	Group:	2672

Examiner Initial*	Document					
7/	Number	Issue Date	Name	Class	Sub Class	Filing Date
J4/~	4,751,535	Jun 14, 1988	Myers			T
	4,966,441	Oct 30, 1990	Conner			
	5,792,579	Aug 11, 1998	Phillips			
	5,949,496	Sep 7, 1999	Kim			
	5,973,664	Oct 26, 1999	Badger			
	6,034,666	Mar 7, 2000	Kanai et al.			
	6,061,533	May 9, 2000	Kajiwara			
	6,108,122	Aug 22, 2000	Ulrich et al.			<u> </u>
	6,144,352	Nov 7, 2000	Matsuda et al.	_		
	6,271,891 B1	Aug 7, 2001	Ogawa et al.			
	6,299,329 B1	Oct 9, 2001	Mul et al.			
V	6,377,262 B1	Apr 23, 2002	Hitchcock et al.			

 	FOREIGN PATE	T DOCUMENT	S		
Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
					

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
J.L.	Adobe Systems, Inc., website, 2002, http://www.adobe.com/products/acrobat/cooltype.html.
	Betrisey, C., et al., "Displaced Filtering for Patterned Displays," 2000, Society for Information Display (SID) 00 Digest, pp. 296-299.
	Carvajal, D., "Big Publishers Looking Into Digital Books," April 3, 2000, The New York Times, Business/Financial Desk.
	Elliott, C., "New Pixel Layout for PenTile Matrix," January 2002, Proceedings of the International Display Manufacturing Conference, pp. 115-117.
V	Gibson Research Corporation, website, "Sub-Pixel Font Rendering Technology, How It Works," 2002, http://www.grc.com/ctwhat.html.

Page 1 of 2

Atty. Docket No.	8831.0001-01	Appln. No.	09/916,232
Applicant	CANDICE HELLEN BROWN ELLIOTT		
Filing Date	July 25, 2001	Group:	2672

J.L.	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Microsoft Corporation, website, 2002, http://www.microsoft.com/reader/ppc/product/cleartype.htm Microsoft Press Release, November 15, 1998, "Microsoft Research Announces Screen Display Breakthrough at COMDEX/Fall '98, PR Newswire.
	Murch, M., "Visual Perception Basics," 1987, SID, Seminar 2, Tektronix, Inc., Beaverton, Oregon.
	Wandell, Brian A., Stanford University, "Fundamentals of Vision: Behavior, Neuroscience and Computation," June 12, 1994, Society for Information Display (SID) Short Course S-2, Fairmont Hotel, San Jose, California.
V .	U.S. Patent Application Publication No. US 2002/0015110 A1, February 7, 2002, Brown Elliott.

Examiner	John 1	Date Considered 11-2-04
*Examiner:	Initial if reference continuous through citation if not incommunication to app	sidered, whether or not citation is in conformance with MPEP 609; draw line in conformance and not considered. Include copy of this form with next
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Atty. Docket No.	8831.0001-01	Appln. No.	09/916,232
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		U.S. PATEN	T DOCUMENTS			
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
J.L.	6,243,055 B1	Jun 5, 2001	Fergason	_		
						
·		·			·	
•						,

		FOREIGN PAT	ENT DOCUMENT	3		
	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
J.L.	06-102503	Apr 15, 1994	Japan	1		Yes
		•				
		1				· · · · · · · · · · · · · · · · · · ·

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					

Examiner	H D	Date Considered	11-2-04
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INFORMATION DISCLOSURE CITATION

OMB No. 0651-0011

Atty. Docket No.	8831.0001-01	Appln. No.	09/916.232
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Filing Date	July 25, 2001	Group:	2672

		U.S. PATEN	T DOCUMENTS			
Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	. Filing Date
J.L.	4,353,062	Oct 5, 1982	Lorteije et al.			
	4,642,619	Feb 10, 1987	Togashi			
	4,792,728	Dec 20, 1988	Chang et al.	1		
	5,113,274	May 12, 1992	Takahashi et al.			<u> </u>
	6,002,446	Dec 14, 1999	Eglit			
	6,198,507 B1	Mar 6, 2001	Ishigami			
	6,327,008 B1	Dec 4, 2001	Fujiyoshi			
	6,392,717 B1	May 21, 2002	Kunzman			
	6,453,067 B1	Sep 17, 2002	Morgan et al.			
√ .	6,466,618 B1	Oct 15, 2002	Messing et al.			

		FOREIGN PAT	ENT DOCUMENT	'S		
	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
Jih.	EP 0 158 366 A2	Oct 16, 1985	EPO	1		10001110
	EP 0 203 005 A1	Nov 26, 1986	EPO			Yes; Abstract only
	EP 0 322 106 A2	Jun 28, 1989	EPO	† 		1 oo, rasaact only
	EP 0 812 114 A1	Dec 10, 1997	EPO			
	EP 1 261 014 A2	Nov 27, 2002	EPO		^	Yes; Abstract only
	GB 2 133 912 A	Aug 1, 1984	UK	-		· · · · · · · · · · · · · · · · · · ·
	GB 2 146 478 A	Apr 17, 1985	UK			
	JP 60-107022	Jun 12, 1985	JP			Yes; Abstract only
	JP 02-000826 A	Jan 5, 1990	JP	-		Yes; Abstract only
	JP 03-036239 B	May 30, 1991	JP			v oo, v would be only
	JP 02-983027 B2	Nov 29, 1999	JP			Yes; Abstract only
	WO 01/29817 A1	Apr 26, 2001	PCT	-		· sol / tobulact Only
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Applicant	Candice Hellen Brown Elliott	<u> </u>	
Filing Date	July 25, 2001	Group:	2672

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
J.L.	Booth, Jr., Lawrence A., "Method and Apparatus for Wide Gamut Multicolor Display." U.S. Patent Application Publication, Publication No. US 2003/0011613 A1, January 16, 2003.
	"ClearType magnified," Wired Magazine, November 8, 1999, Microsoft Typography, article posted November 8, 1999, and last updated January 27, 1999, © 1999 Microsoft Corporation, 1 page
	Credelle, Thomas L. et al., "P-00: MTF of High-Resolution PenTile Matrix™ Displays," <u>Eurodisplay</u> 02 Digest, 2002, pages 1-4.
	Daly, Scott, "Analysis of Subtriad Addressing Algorithms by Visual System Models," SID Symp. Digest, June 2001, pages 1200-1203.
	Elliott, Candice H. Brown et al., "Color Subpixel Rendering Projectors and Flat Panel Displays," New Initiatives in Motion Imaging, SMPTE Advanced Motion Imaging Conference, February 27-March 1, 2003, Seattle, Washington, pages 1-4.
	Elliott, Candice H. Brown et al., "Co-optimization of Color AMLCD Subpixel Architecture and Rendering Algorithms," <u>SID Symp. Digest</u> , May 2002, pages 172-175.
	Feigenblatt, R.I., "Full-color imaging on amplitude-quantized color mosaic displays," SPIE, Vol. 1075, Digital Image Processing Applications, 1989, pages 199-204.
	Hayashi, Kenkichi, "Image Signal Processing Device for Minimizing False Signals at Color Boundaries," U.S. Patent Application Publication, Publication No. US 2002/0140831 A1, October 3, 2002.
	Hoelen, Christoph Gerard August et al., "Light Panel with Enlarged Viewing Window," U.S. Patent Application Publication, Publication No. US 2003/0043567 A1, March 6, 2003.
	Johnston, Stuart J., "An Easy Read: Microsoft's ClearType," <u>InformationWeek Online, Redmond, WA</u> , November 23, 1998, 3 pages.
	Johnston, Stuart J., "Clarifying ClearType," <u>InformationWeek Online</u> , <u>Redmond</u> , <u>WA</u> , January 4, 1999, 4 pages.
	"Just Outta Beta," Wired Magazine, December 1999, Issue 7.12, 3 pages.
	Klompenhouwer, Michiel A. et al., "Subpixel Image Scaling for Color Matrix Displays," <u>SID Symp.</u> <u>Dipest</u> , May 2002, pages 176-179.
	Kusunoki, Toshiaki et al., "Display Device Using Thin Film Cathode and Its Process," U.S. Patent Application Publication, Publication No. US 2001/0017515 A1, August 30, 2001.
	Markoff, John, "Microsoft's Cleartype Sets Off Debate on Originality," The New York Times, December 7, 1998, 5 pages.
	"Microsoft ClearType," http://www.microsoft.com/opentype/cleartype, September 26, 2002, 4 pages.
	Platt, John C., "Optimal Filtering for Patterned Displays," Microsoft Research, IEEE Signal Processing Letters, 2000, 4 pages.
V	Platt, John, "Technical Overview of ClearType Filtering," Microsoft Research, http://research.microsoft.com/users/jplatt/cleartype/default.aspx, September 17, 2002, 3 pages.
IDB 2 of 3	

Atty. Docket No.	8831.0001-01	Appin. No.	09/916.232
Applicant	Candice Hellen Brown Elliott	1.45	03/310,232
Filing Date	July 25, 2001	Group:	2672

<u> </u>	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
Jih	Poor, Alfred, "LCDs: The 800-pound Gorills," Information Display, September 2002, pages 18-21.
	"Ron Feigenblatt's remarks on Microsoft ClearType™," http://www.geocities.com/SiliconValley/Ridge/6664/ClearType.html , December 5, 1998, December 7, 1998, December 26, 1999, December 30, 1999, and June 19, 2000, 30 pages.
	"Sub-Pixel Font Rendering Technology," @ 2003 Gibson Research Corporation, Laguna Hills, CA, 2 pages.
	Werner, Ken, "OLEDs, OLEDs, Everywhere," Information Display, September 2002, pages 12-
	Yamazaki, Shunpei, "Semiconductor Device and Manufacturing Method Thereof," U.S. Patent Application Publication, Publication No. US 2001/0040645 A1, November 15, 2001.
	Yamazaki, Shunpei et al., "Electro-Optical Device," U.S. Patent Application Publication, Publication No. US 2002/0017645 A1, February 14, 2002.

Examiner	Jera	Date Considered	11-2-04		
*Examiner: initial i throug comm	f reference considered, whether h citation if not in conformance unication to applicant.	insidered, whether or not citation is in conformance with MPEP 609; draw line			
Form PTO 1449	Paten	t and Trademork Office	- U.S. Department of Comm		

Atty. Docket No.	8831.0001-01	Appin. No.	09/916,232
Applicant	Candice Hellen Brown Elliott		
Fling Date	July 25, 2001	Group:	2672

		U.S. PATEN	IT DOCUMENTS			
Examiner initial*	Document Number	issue Date	Name	Class	Sub Class	Filing Date If Appropriate
JiL	4,651,148	Mar 17, 1987	Takeda et al.	-	-	
	4,773,737	Sep 27, 1988	Yokono et al.		-	
	4,800,375	Jan 24, 1989	Silverstein et al.			- .
	4,853,592	Aug 1, 1989	Strathman	-	-	
	4,874,986	Oct 17, 1989	Menn et al.		<u> </u>	
	4,908,609	Mar 13, 1990	Stroomer		-	
	4,965,565	Oct 23, 1990	Noguchi	-		
	5,006,840	Apr 9, 1991	Hamada et el.			
	5,052,785	Oct 1, 1991	Takimoto et al.			
	5,132,674	Jul 21, 1992	Bottorf		_	
	5,144,288	Sep 1, 1992	Hamada et al.	-	_	·
	5,311,337	May 10, 1994	McCartney, Jr.			
	5,461,503	Oct 24, 1995	Deffontaines et al.			
	5,535,028	Jul 9, 1998	Bae et al.			
	5,563,621	Oct 8, 1996	Silsby			
<u> </u>	5,579,027	Nov 26, 1996	Sakurai et al.		~	
	5,821,913	Oct 13, 1998	Mamiya	-		
	6,038,031	Mar 14, 2000	Murphy	_		
	6,049,626	Apr 11, 2000	Klm	_		
	6,097,367	Aug 1, 2000	Kuriwaki et af.		_	
	6,184,903 B1	Feb 6, 2001	Omori		_	
	6,219,025 B1	Apr 17, 2001	Hill et al.		<u>:</u>	
	6,225,973 B1	May 1, 2001	Hill et al.			
	6,236,390 B1	May 22, 2001	Hitchcock			
	6,239,783 B1	May 29, 2001	Hill et al.			
	6,243,070 B1	Jun 5, 2001	Hill et al.	-		
	6,327,008 B1	Dec 4, 2001	Fujiyoshi			-

Page 1 of 2

INFORMATION DISCLOSURE CITATION

Clairvoyante Inc

Atty. Docket No.	8831.0001-01	Appin. No.	09/916,232
Applicant	Candice Hellen Brown Elliott		
Filing Date	July 25, 2001	Group:	2672

	FOREIGN PATE	THEMUSOD TH	·\$		
Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
		_			
		•	1		
			 	 -	

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
J.L.	Bechtel et al., U.S. Patent Application Publication, Pub. No.: US 2002/0190648 A1, Publication Date: December 19, 2002.

Examiner _	John John (Date Considered 11-2-04				
•						
Form PTO 144	•	Patent and Trademark Office - U.S. Department of Commerce				

Atty. Docket No.	8831.0001-01	Appin. No.	09/916,232
Applicant	Candice Hallan Brown Elliott		
Filing Date	July 25, 2001	Group:	2672

		U.S. PATEN	T DOCUMENTS			
Examiner initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
Jih.	5,184,114	Feb 2, 1993	Brown			
	5,189,404	Feb 23, 1993	Masimo et al.			
\bigvee	6,346,972 B1	Feb 12, 2002	Kim			

		FOREIGN PAT	ENT DOCUMENT	'S	•	——————————————————————————————————————
	Document Number	Publication Date	Country	Class	Sub	Translation Yes or No
JiL.	EP 0 793 214 A1	Sep 3, 1997	EPO		_	
	EP 899 604 A2	Mar 3, 1999	EPO	-		
	EP 1 083 539 A2	Mar 14, 2001	EPQ			
	DE 201 09 354 U1	Sep 13, 2001	Germany			No
	DE 299 09 537 U1	Oct 14, 1999	Germany	1		No
	JP 2001203919	Jul 27, 2001	Japan			Yes; Abstract only
	WO 97/23860	Jul 3, 1997	PCT			1 50, FESTIACE ORBY
	WO 00/21067	Apr 13, 2000	PCT			
V	WO 00/67196	Nov 9, 2000	PCT	 _ 		· .

OTHER DOCUMENTS (Including Author, Title, Date, Perlinent Pages, Etc.)					
J.Z.	Krantz, John H. et al., "Color Matrix Display Image Quality: The Effects of Luminance and Spatial Sampling," SID International Symposium, Digest of Technical Papers, 1990, pp. 29-32.				
	Messing, Dean S. et al., "Improved Display Resolution of Subsampled Colour Images Using Subpliced Addressing," <u>Proc. Int. Conf. Image Processing (ICIP '02)</u> , Rochester, N.Y., IEEE Signal Processing Society, 2002, Vol. 1, pp. 625-628.				
	Messing, Dean S. et al., "Subpixel Rendering on Non-Striped Colour Matrix Displays," International Conference on Image Processing, Barcelona, Spain, September 2003, 4 pages.				

Examiner	Heyener	Date Considered // 2 = /3 (4
*Examiner:	Initial if reference considered, we through citation if not in conform communication to applicant.	hether or not citation is in conformance with MPEP 609; draw line sance and not considered. Include copy of this form with next
Form PTO 1	449	Patent and Trademark Office - U.S. Department of Commerce

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